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SECTION I

NAME

24 HOUR EMERGENCY ASSISTANCE

Product	POTASSIUM BITARTRATE	CHEMTREC 800-424-9300 Day 716-226-6177 Night 716-334-4222 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4
Chemical Synonyms	Cream of Tartar, Potassium Acid Tartrate	
Formula	KHC ₄ H ₄ O ₆	
Unit(s) Size	100, 500 grams; 2.5 Kg.	
C.A.S. No.	868-14-4	

SECTION II

HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)	%	TLV Units
Potassium Bitartrate	100%	None established.
CAUTION! MAY CAUSE IRRITATION TO SKIN AND EYES.		

SECTION III

PHYSICAL DATA

Melting Point (°F)	Data not listed.	Specific Gravity (H ₂ O = 1)	1.956 at 20°C
Boiling Point (°F)	Decomposes on heating.	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (= 1)	Non-volatile (NA).
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	1 gram dissolves in 162 mL. water at 20°C.		
Appearance & Odor	Colorless crystals or white, crystal powder; no odor.		

SECTION IV

FIRE AND EXPLOSION HAZARD DATA

Flash Point Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume	Unknown	Lower	Upper
Extinguisher Media	Water spray; carbon dioxide (CO ₂); dry chemical (ABC).				

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH-approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

D.O.T.

NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

SECTION V

HEALTH HAZARD DATA

Threshold Limited Value

Not established. (ACGIH 1983-84).

Effects of Overexposure

As dust - may be skin and eye irritant. **INGESTION:** Low hazard. Specific data is not available. This compound is considered to be of low hazard by ingestion or by contact. Large doses can act as a laxative. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

SKIN: Flush with water, then wash with mild soap and water. **EYES:** In case of contact, flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention.

SECTION VI

REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature and heat.
	Stable	X		

Incompatibility (Materials to Avoid)

Strong oxidizers.

Hazardous Decomposition Products

Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide.

Hazardous Polymerization

Conditions to Avoid

May Occur	Will Not Occur	Not applicable.
	X	

SECTION VII

SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Recover for use if not contaminated. Sweep up and place in a suitable container. Wash spill area with soap and water.

Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Dissolve in water and flush to sewer with copious amounts of water or dispose of in an approved incinerator.

SECTION VIII

SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, work in fume hood or wear a NIOSH-approved dust mask.			
Ventilation	Local Exhaust	Yes.	Special	No.
	Mechanical (General)	Not needed.	Other	No.
Protective Gloves	Rubber, if needed.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Goggles, smock, apron, eye wash station, proper gloves.			

SECTION IX

SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Store in a cool, dry place away from strong oxidizing agents. Wash thoroughly after handling.

Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals.

Avoid contact with skin and eyes. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Rev. No. No. 2

Date 6/22/92

Approved Alexander A. Piccirilli

Chemical Safety Coordinator AP

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